TOSHIBA
Leading Innovation >>>

AV60*P*
ANALOGUE
Series

Contents

Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

The Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection.

Air Circulation

Leave more than 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity. Place in a location where the temperature remains between 5°C (41°F) min. and 35°C (94°F) max.

Mains Supply

The mains supply required for this equipment is 220-240v AC 50/60Hz. Never connect to a DC supply or any other power source. DO ensure that the television is not standing on the mains lead. Use only the supplied lead.

DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to BS1362.

It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted.

IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels on equipment.

DO NOT REMOVE ANY FIXED COVERS AS THIS WILL EXPOSE DANGEROUS AND 'LIVE' PARTS.

THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

Do not

DO NOT obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DO NOT allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DO NOT place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DO NOT use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand, bracket or legs with the fixings provided according to the instructions.

DO NOT leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DO NOT continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

WARNING – excessive sound pressure from earphones or headphones can cause hearing loss.

ABOVE ALL – NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.
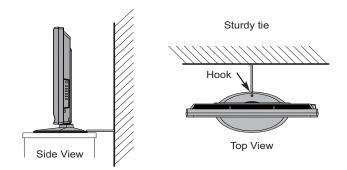
Installation and important information

Where to install

Locate the television away from direct sunlight and strong lights, soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.
Place the TV set on a stable, level surface that can support the weight of the TV.
As an additional safety measure you can secure the TV to the level surface or a wall, as shown in the illustration, using a sturdy strap.
The LCD display panels are manufactured using an extremely high level of precision technology, however sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.
Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen, and that small items cannot be inserted into slots or openings in the case.
Wall mounting of the TV should only be performed by qualified servicing personnel. Use only with the wall mount bracket specified by the manufacturer.

Side View

Sturdy tie

Hook

Top View

Please take note

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i)   fire;

ii)   earthquake;

iii)   accidental damage;

iv)   intentional misuse of the product;

v)   use of the product in improper conditions;

vi)   loss and/or damage caused to the product whilst in the possession of a third party;

vii)   any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;

viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.
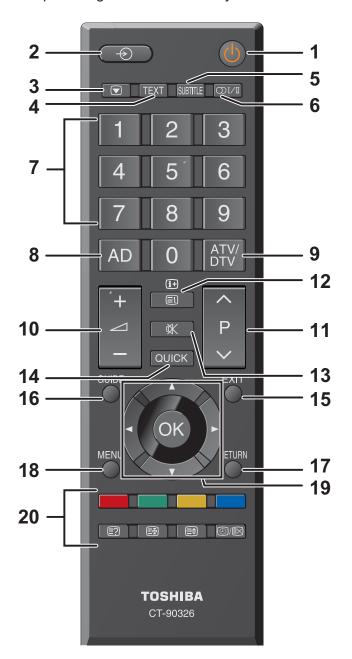
NOTE:

A Toshiba wall bracket or stand, where available must be used. If a non Toshiba wall bracket or stand is used the product's BEAB approval will become void and the equipment is then used at the consumers own risk.

• If stationary images generated by 4:3 broadcasts, text services, channel identification logos, computer displays, video games, on screen menus, etc. are left on the television screen for any length of time they could become conspicuous, it is always advisable to reduce both the brightness and contrast settings.

• Very long, continuous use of the 4:3 picture on a 16:9 screen may result in some retention of the image at the 4:3 outlines, this is not a defect of the LCD TV and is not covered under the manufacturers warranty. Regular use of other size modes (eg: Superlive) and varying the "side panel" brightness (if available on the model) will prevent permanent retention.

3

English

The remote control

Simple at-a-glance reference of your remote control.

1   For On/Standby mode
2   To select input from external sources
3   Still Picture
4   To display the teletext screen
5   To turn the subtitle On/Off
6   Stereo/Bilingual transmissions
7   Number buttons
8   No Function
9   No Function
10 To alter the volume
11 To change programme
12 In TV mode: To display on screen informationIn
    In Text mode: To access index page
13 To mute the sound
14 To display Quick access menu
15 To exit menus
16 No Function
17 Return to the previous level of the on screen menu
18 To display the on-screen menu
19 ▲, ▼, ◄, ►:
    In the on-screen menu: To move up,down,left or right
    In Text mode: To change the page
    OK: To confirm the selection
20 Colour button: Text control buttons

〰?	To reveal concealed text
〰	To hold a wanted page
〰	To enlarge text display size
⏱/✕	To select a page whilst viewing a normal picture
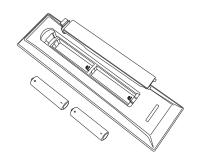
4

Inserting batteries and effective range of the remote

Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are AAA, IEC R03 1.5V.

Do not combine a used, old battery with a new one or mix battery types. Remove dead batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in accordance with instructions on page 38 of this manual. Warning: batteries must not be exposed to excessive heat such as sunshine, fire or the like.
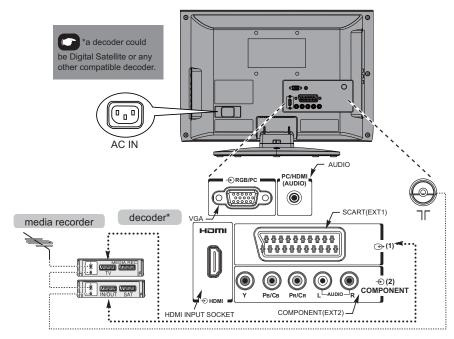
The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the television. If the operating range becomes reduced the batteries may need replacing.

English

Connecting external equipment

Before connecting any external equipment, turn off all main power switches. If there is no switch remove the mains plug from the wall socket.
Connect the power cord into the AC IN socket found at the back of the TV.

Model : 19/22 Only

NOTE: SCART can support Canal+ decoder

Model : 26/32/37 Only

NOTE: SCART1 can support Canal+ decoder

Aerial cables: - - - - - - - - - - - - - - - -

Connect the aerial to the ANT socket on the rear of the television.
If you use a decoder and/or a media recorder it is essential that the aerial cable is connected through the decoder and/or through the media recorder to the television.

SCART leads: - - - - - - - - - - - - - - - -

Connect the video recorder **IN/OUT** or decoder **TV** socket to the television. Connect the media recorder **SAT** socket to the decoder **MEDIA REC**. socket.

Before running **Auto tuning** put your decoder and media recorder to **Standby**.

The phono sockets alongside the COMPONENT VIDEO INPUT sockets will accept L and R audio signals.

The phono sockets alongside the VIDEO INPUT socket will accept L and R audio signals. These sockets are located on the side of the TV. (See page 14.)

HDMI™ (High-Definition Multimedia Interface) is for use with a DVD, decoder or electrical equipment with digital audio and video output. It is designed for best performance with 1080i high-definition video signals but will also accept and display VGA, SVGA, XGA, WXGA, SXGA, 480i, 480p, 576i, 576p and 720p signals.
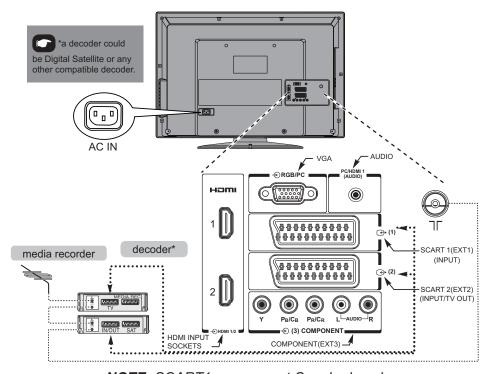
NOTE: Although this television is able to connect to HDMI equipment it is possible that some equipment may not operate correctly.

A wide variety of external equipment can be connected to the back of the television, therefore the relevant owners manuals for all additional equipment must be referred to.

If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button. To recall external equipment, press ⊙ to select.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.

Connecting an HDMI™ or DVI device to the HDMI input

The HDMI input on your television receives digital audio and uncompressed digital video from an HDMI source device, or uncompressed digital video from a DVI (Digital Visual Interface) source device.

This input is designed to accept HDCP (High-Bandwidth Digital- Content Protection) programme material in digital form from EIA/CEA-861-D–compliant [1] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output). For acceptable video signal formats, see page 13.

NOTE:

• *Some early HDMI equipment may not work properly with your latest HDMI TV, due to the adoption of a new standard.*

• *Supported Audio format: Linear PCM, sampling rate 32/ 44.1/48kHz.*
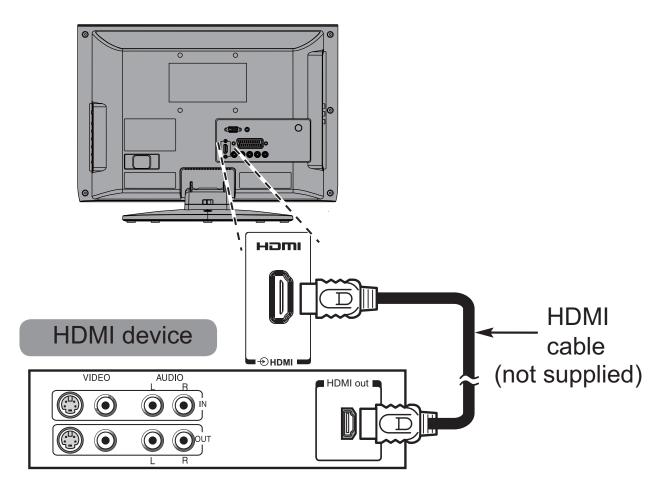
To connect an HDMI device

Connect an HDMI cable (type A connector) to the HDMI terminal.
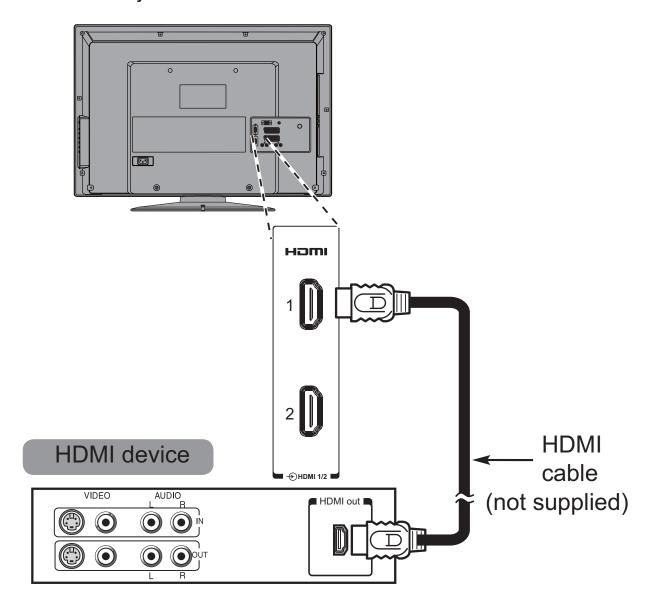
For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo (**HDMI**).

• HDMI cable transfers both video and audio. Separate analogue audio cables are not required (see illustration).

• See "HDMI1 audio" on page 30.

Model : 19/22 Only

HDMI device

HDMI cable (not supplied)

Model : 26/32/37 Only

HDMI

1

2

HDMI 1/2

HDMI device

VIDEO   AUDIO
          L   R
              IN

              OUT
          L   R

HDMI out

HDMI
cable
(not supplied)

To view the HDMI device video, press ⊕ to select the mode.
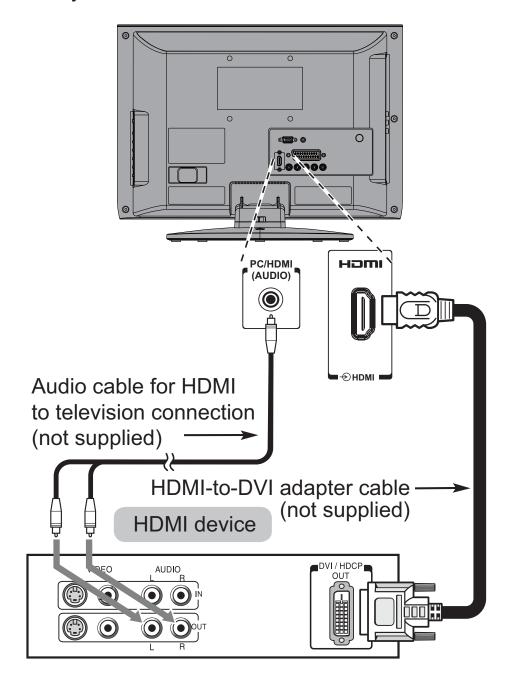
DVI device to the HDMI Input

Connect an HDMI-to-DVI adapter cable (HDMI type A connector) to HDMI1 terminal and audio cables to the PC/HDMI1 Audio socket (see illustration).
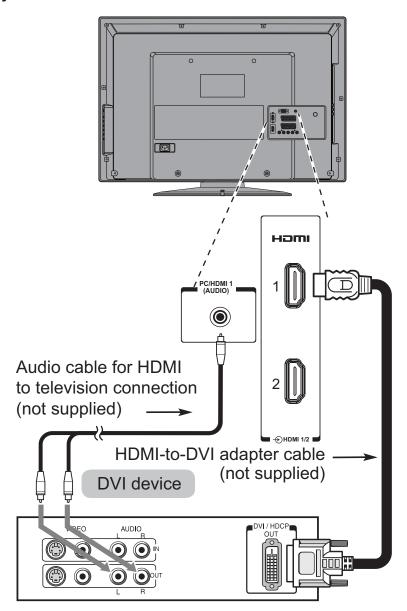
• The recommended HDMI-to-DVI adapter cable length is 6.6 ft (2m).

• An HDMI-to-DVI adapter cable transfers video only.

Separate analogue audio cables are required.
See "HDMI1 audio" on page 30.

Model : 19/22 Only

10

Model : 26/32/37 Only

Audio cable for HDMI to television connection (not supplied) →

HDMI-to-DVI adapter cable (not supplied) →

DVI device

NOTE:

T*o ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:*

• *When turning on your electronic components, turn on the television first, and then the HDMI or DVI device.*

• *When turning off your electronic components, turn off the HDMI or DVI device first, and then the television.*

[1] EIA/CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of highdefinition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the television.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Connecting a computer
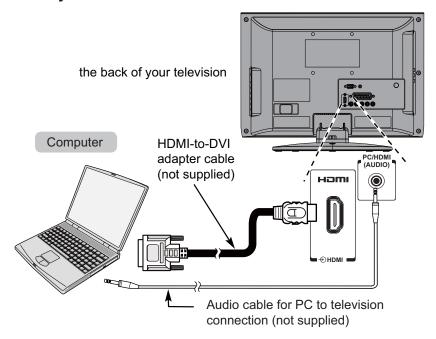
With the HDMI connection, you can watch your computer's display on the television and hear the sound from the televisions speakers.

To connect a PC to the HDMI terminal
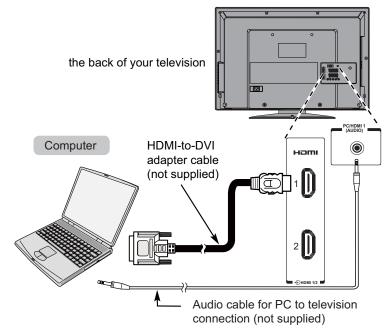
When connecting a PC to the HDMI terminal on the television, use an HDMI to DVI adapter cable and analogue audio cables.
If connecting a PC with an HDMI terminal, use an HDMI cable (type A connector). Separate analogue cables are not necessary (see page 8).

Model : 19/22 Only

the back of your television

Computer

HDMI-to-DVI
adapter cable
(not supplied)

PC/HDMI
(AUDIO)

HƏMI

⊕ HDMI

Audio cable for PC to television
connection (not supplied)

Model : 26/32/37 Only

the back of your television

Computer

HDMI-to-DVI
adapter cable
(not supplied)

PC/HDMI 1
(AUDIO)

HƏMI

1

2

⊕ HDMI 1/2

Audio cable for PC to television
connection (not supplied)

For acceptable PC signal formats, see "Acceptable PC signals through HDMI/D-SUB terminals" on page 13.

NOTE: The edges of the images may be hidden.

Acceptable Video signals through HDMI terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
480i	720 x 480i	60.000Hz	15.734kHz	27.000MHz
480p	720 x 480p	60.000Hz	31.500kHz	27.000MHz /27.030MHz
576i	720 x 576i	50.000Hz	15.625kHz	27.000MHz
576p	720 x 576p	50.000Hz	31.250kHz	54.000MHz
720p	1280 x 720p	50.000Hz	37.500kHz	74.250MHz
720p	1280 x 720p	59.940 Hz / 60.000Hz	44.960kHz / 45.000kHz	74.170MHz /74.250MHz
1080i	1920 x 1080i	59.940 Hz / 60.000Hz	33.720kHz / 33.750kHz	74.170MHz /74.250MHz
1080i	1920 x 1080i	50.000Hz	28.125kHz	74.250MHz

Acceptable PC signals through HDMI/D-SUB terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
VGA	640x480	59.940Hz	31.469kHz	25.175MHz
VGA	640x480	72.809Hz	37.861kHz	31.500MHz
VGA	640x480	75.000Hz	37.500kHz	31.500MHz
VGA	720x400	70.087Hz	31.469kHz	28.322MHz
SVGA	800x600	56.250Hz	35.156kHz	36.000MHz
SVGA	800x600	60.317Hz	37.879kHz	40.000MHz
SVGA	800x600	72.188Hz	48.077kHz	50.000MHz
SVGA	800x600	75.000Hz	46.875kHz	49.500MHz
XGA	1024x768	60.004Hz	48.363kHz	65.000MHz
XGA	1024x768	70.069Hz	56.476kHz	75.000MHz
XGA	1024x768	75.029Hz	60.023kHz	78.750MHz
WXGA	1280x720	59.855Hz	44.772kHz	74.250MHz
WXGA	1280x768	59.870Hz	47.776kHz	79.500MHz
WXGA	1360x768	60.015Hz	47.712kHz	85.500MHz
SXGA	1280x1024	60.020Hz	63.981kHz	108.000MHz

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.
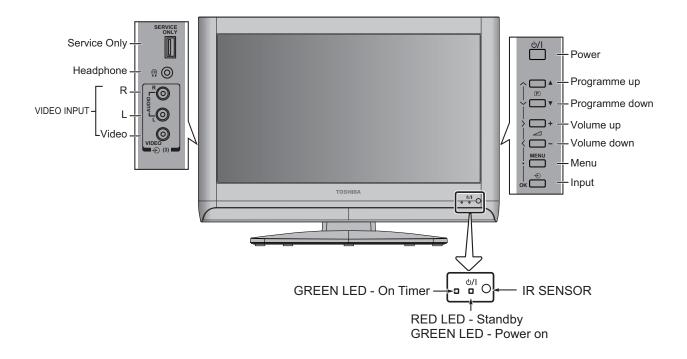
NOTE 1: HDMI 1 terminals supports PC signal input, HDMI 2 and 3 does not support PC signal.

NOTE 2: For PC input, for only supported PC signal can show the correct resolution on TV display.

13

English
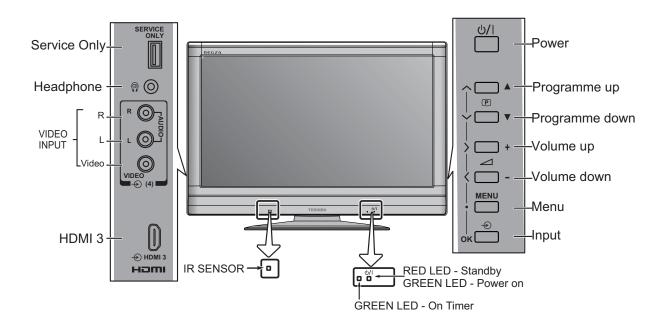
Using the controls

Whilst all the necessary adjustments and controls for the television are made using the remote control, the buttons on the television may be used for some functions.

LCD TV Models : (Only 19/22)

Service Only
Headphone
R
VIDEO INPUT
L
Video

SERVICE ONLY
AUDIO
R
L
VIDEO (3)

TOSHIBA

Power
Programme up
Programme down
Volume up
Volume down
Menu
Input

GREEN LED - On Timer
IR SENSOR

RED LED - Standby
GREEN LED - Power on

LCD TV Models : (Only 26/32/37)

Service Only
Headphone
R
VIDEO INPUT
L
Video

HDMI 3

SERVICE ONLY
AUDIO
R
L
VIDEO (4)
HDMI 3
HDMI

REGZA

TOSHIBA

IR SENSOR

RED LED - Standby
GREEN LED - Power on

GREEN LED - On Timer

Power
Programme up
Programme down
Volume up
Volume down
Menu
Input

Note: 26/32/37AV603P* series does not have HDMI 3 Input.

Switching on

If the RED LED is unlit check that the mains plug is connected to the power supply. If the picture does not appear press ⏻ on the remote control, it may take a few moments.

To put the television into Standby press ⏻ on the remote control. To view the television press ⏻ again. The picture may take a few seconds to appear.

Using the remote control

To set up the television you will now need to use the on screen menus. Press Ⓜ on the remote control to see the menus.

The on-screen menu appears as a list of five topics. As each symbol is selected by pressing ◄ or ► on the navigation ring on the remote control, its respective options will appear below.

To use the options, press ▲ or ▼ on the navigation ring to move through them and use Ⓞ, ◄ or ► to select the required choice. Follow the on-screen instructions. The functions of each menu are described in detail throughout the manual.

Using the controls

To alter the volume press – ◁+.

To alter the programme position press ∧ **P** ∨.

Press Ⓜ and ▲, ▼, ◄ or ► to control the sound and picture options.

Press Ⓔ to finish.

To select the external input, press ⊕ and then use ⊕, ▲, or ▼ to move through the list until the appropriate input source is selected as described on page 29.

Please always refer to the owner's manual of the equipment to be connected for full details.

Please note: Inserting the headphone plug will mute the sound from all speakers.

Tuning the television

Before switching on the television put your decoder and media recorder to **Standby** if they are connected.

To set up the television use the buttons on the remote control as detailed on page 4.

Quick Setup
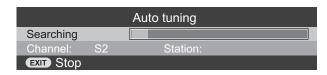
1 Connect the television to the mains power and press the ⏻ button. The **Quick Setup** screen will appear.

2 Using ◄ or ► select your language, then press ⊙.

Quick Setup
Select your language.
Language ◄ English ►
OK Next **EXIT** Watch TV

3 Then press ◄ or ► to select your country and press ⊙.

Quick Setup
Select your country.
Press OK to start Auto tune.
Country ◄ UK ►
OK Start **EXIT** Watch TV
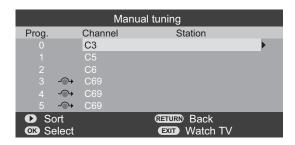
4 To start **Auto tuning** press ⊙.

Auto tuning
Searching
Channel: S2 Station:
EXIT Stop

The search will begin for all available stations. The slide bar will move along the line as the search progresses.

You must allow the television to complete the search.
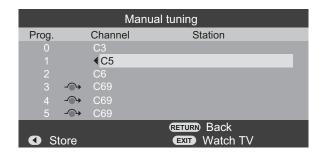
When the search is complete the television will automatically select programme position 1. This may not be a clear picture or the signal may be weak, so the station order can be changed using **Manual tuning** in **SET UP** menu.

Manual tuning		
Prog.	Channel	Station
0	C3 ►
1	C5
2	C6
3	C69
4	C69
5	C69
► Sort	**RETURN** Back
OK Select	**EXIT** Watch TV
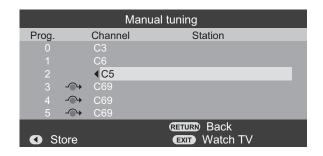
5 With the list of stations now showing use ▲ or ▼ to highlight the station you want to move and press ►.

The selected station will be moved to the right of the screen.

Manual tuning		
Prog.	Channel	Station
0	C3
1	◄C5
2	C6
3	C69
4	C69
5	C69
	RETURN Back
◄ Store	**EXIT** Watch TV

6 Use ▲ or ▼ to move through the list to your preferred position. As you do so the other stations will move to make room.

Manual tuning		
Prog.	Channel	Station
0	C3
1	C6
2	◄C5
3	C69
4	C69
5	C69
	RETURN Back
◄ Store	**EXIT** Watch TV

7 Press ◄ to store your move.

Repeat as necessary, then press ⊙.

If the television cannot be connected to a media recorder/decoder with a SCART lead or if a station on another **system** is required, use **Manual tuning** to allocate a programme position, see page 17.

Manual tune

The television can be tuned-in manually using **Manual tuning.** For example: if the television cannot be connected to a media recorder/decoder with a SCART lead or to tune-in a station on another System.

Use ◄ and ►to move across the screen and select any of these Manual Tune options.

```
                Manual tuning
             Programme skip: Off
                     ▲
   0  D / K   A   ⇼   S 1   🔍    0
                     ▾
  OK  Store
 RETURN  Back                    EXIT  Watch TV
   1    2     3    4   5    6    7         8
```

1. **Programme:**
   The number to be pressed on the remote control.

2. **System:**
   Specific to certain areas.

3. **Colour system:**
   Factory set to Auto, should only be changed if problems are experienced, i.e. NTSC input from external source.

4. **Programme skip:**
   ⇼ means nothing has been stored or the facility to skip the channel is ON. See page 18.

5. **Channel:**
   The channel number on which a station is being broadcast.

6. **Search:**
   Search up and down for a signal.
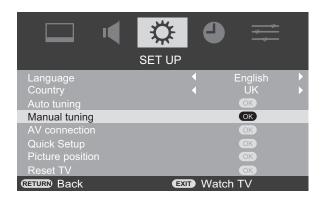
7. **Manual fine tuning:**
   Only used if interference/weak signal is experienced. See page 34.
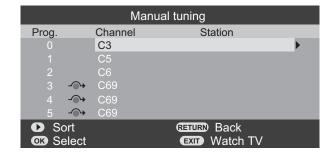
8. **Station:**
   Station identification. Use the navigation ring ▲ or ▼ and ◄ or ► buttons to enter up to seven characters.

To allocate a programme position on the television for a decoder and media recorder: turn the decoder on, insert a pre-recorded film in the media recorder and press PLAY, then manually tune.

1 Using ◄ or ►to select the **SET UP** menu, with ▼ to highlight Manual tuning, press ⊛ to select.

```
  🖳      🔊      ☼      🕐      ☰
                 SET UP
 Language              ◄    English    ►
 Country              ◄      UK        ►
 Auto tuning                  OK
 Manual tuning                OK
 AV connection                OK
 Quick Setup                  OK
 Picture position             OK
 Reset TV                     OK
 RETURN  Back            EXIT  Watch TV
```
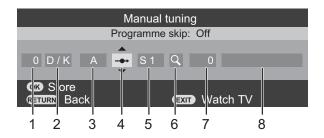
2 Use ▲ and ▼ to highlight the programme position required e.g. we suggest **Prog. 0** for a media recorder.

```
                Manual tuning
 Prog.        Channel        Station
   0          C3                        ►
   1          C5
   2          C6
   3    ⇼     C69
   4    ⇼     C69
   5    ⇼     C69
  ▶  Sort              RETURN  Back
  OK  Select           EXIT  Watch TV
```

Different **Channel** numbers may be displayed.

3 Press ► to select. If the programme is skipped, Programme skip must be removed before storing.

```
                Manual tuning
             Programme skip: Off
                     ▲
   0  D / K   A   ⇼   S 1   🔍    0
                     ▾
  OK  Store
 RETURN  Back                    EXIT  Watch TV
```

4 Press ► to select **System** and use ▲ or ▼ to change if required.

5 Then press ► to select **Search**.

17
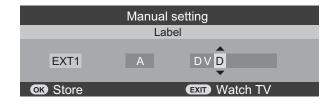
6   Press ▲ or ▼ to begin the search. The search symbol will flash.

Manual tuning
Search:Up
0   D / K   A   �──►   C 8   🔍   0
OK Store
RETURN Back   **EXIT** Watch TV

7   Each signal will show on the television, if it is not your media recorder, press ▲ or ▼ again to restart the search.

8   When your media recorder signal is found, press ► to move along to **Station**. With ▲, ▼, ◄ and ► put in the required characters, e.g. **VCR**.

Manual tuning
Station
0   D / K   A   �──►   C 9   🔍   0   V C R
OK Store
RETURN Back   **EXIT** Watch TV

9   Press ⊛ to store.

10   Repeat for each **programme position** you want to tune or, press **RETURN** to return to the list of channels and select the next number to tune.

11   Press **RETURN** when you have finished.

12   To name external equipment, e.g. DVD on EXT1, press ⊕ to select ⊕ 1, then select **Manual setting** from the **SET UP** menu.

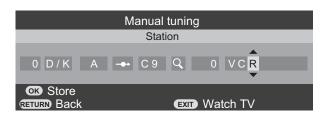**13**   Press ◄ or ►to select **Label** then using ▲, ▼, ◄ and ► put in the required characters.

Manual setting
Label
EXT1   A   D V D
OK Store   **EXIT** Watch TV
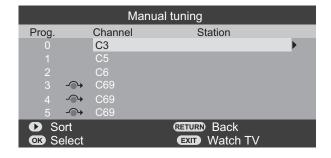
This television has direct channel entry if the channel numbers are known.

Select the **Manual tuning** screen in **Step 3**. Enter the **Programme number**, the **System**, then the **Channel number.** Press ⊛ to store.

Programme skip

To prevent certain programmes from being viewed, the programme position can be skipped. The remote control must be removed as the channels will still be available using the number buttons. Programmes can then be watched as normal using the controls on the television, but the television will not show the skipped programme position.

1   Select **Manual tuning** from the **SET UP** menu.

Manual tuning		
Prog.	Channel	Station
0	C3	►
1	C5	
2	C6	
3 ➚►	C69	
4 ➚►	C69	
5 ➚►	C69	
► Sort		**RETURN** Back
OK Select		**EXIT** Watch TV

2   Use ▲ or ▼ to highlight the programme position to be skipped and press ⊛ to select.

3   Press ► to select **Programme skip**.

4   Use ▲ or ▼ to turn **Programme skip** on. Press ⊛.
➚► on the screen indicates a skipped programme position.

Manual tuning
Programme skip: On
0   D / K   A   ➚►   S 1   🔍   0
OK Store
RETURN Back   **EXIT** Watch TV

5   Press **RETURN** and repeat from **Step 2** or press ⊞.

Each programme position has to be individually selected. To turn **Programme skip** off, repeat the procedure for each position.

Skipped programme positions **cannot** be selected by **P ∧** and **P ∨** or by the controls on the television, but **can** still be accessed by the number buttons on the remote control.
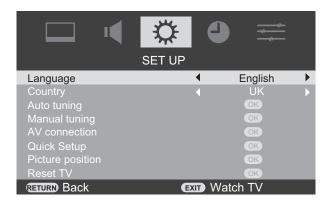
Using Auto tuning

Auto Tuning will completely re-tune the television and can be used to update the channel list.

It is recommended that Auto Tuning is run periodically to ensure that all new services are added.

NOTE: All current programmes and settings, i.e. favourites and locked programmes, will be lost

1 To set up the television using **Auto tuning**, press **MENU** and use ◄ or ► to select the **SET UP** menu.

SET UP				
Language	◄	English	►
Country	◄	UK	►
Auto tuning		OK	
Manual tuning		OK	
AV connection		OK	
Quick Setup		OK	
Picture position		OK	
Reset TV		OK	
RETURN Back		EXIT Watch TV	

2 Press ▼ to highlight **Language** and ◄ or ► to select.

3 Using ▼ to highlight **Country,** then ◄ or ► to select. The television will now tune the stations for your country.

4 Press ▼ to highlight **Auto tuning**, then press ⊙.

Auto tuning
❶ Previous setting will be lost!
Press EXIT for no change.
Press OK to start Auto tune.
RETURN Back   EXIT Watch TV

5 Press **EXIT** for no change or press ⊙ to start Auto tune.

You must allow the television to complete the search.

When the search is complete the television will automatically select programme position 1. This may not be a clear picture, so the station order can be changed using **Manual tuning**, see page 17.

19

General controls

Selecting programme positions

To select a programme position use the numbered buttons on the remote control.

Programme positions can also be selected using **P** ⌃ and **P** ⌄.

The Time Display

The time display facility allows the current (text service) time to be seen on the television screen.

Press ⌖/⌧ whilst watching a normal television broadcast to see a time display from the broadcaster. It will remain on screen for about 5 seconds.

Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time programme positions are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

Stereo… ⌖ I/II Press to select **Stereo** or **Mono**.

Bilingual… Bilingual transmissions are rare. If they are transmitted the word **Dual** will display. Choose the required programme number and if the word **Dual** appears press ⌖ I/II to select **Dual 1**, **Dual 2** or **Mono**.

Quick Access Menu

Quick access menu helps you access some options quickly, such as **Picture Mode, Picture Size,** and **Sleep Timer**. Press **QUICK** button to display the **Quick access** menu and use ▲ or ▼ to select the option.

Quick access		
Picture Mode	◄	Standard ►
Picture Size	◄	Wide ►
Sleep Timer	◄	Off ►

Subtitle

When the Subtitle is broadcast, you can switch the Subtitle on whilst watching TV. Press the **SUBTITLE** button to switch the Subtitle on or off.

Picture still

This feature is used to hold a still image on the screen.

Press ▼ to hold an image on the screen, press ▼ again to cancel.

20

Sound controls

Volume

Volume

Press ⊿ or ⌋ to adjust the volume.

Sound Mute

Press ⫛ once to turn the sound off and again to cancel.

Dual

If a programme or film is being broadcast with a soundtrack in more than one language, the **DUAL** feature allows selection between them.

1 Press ⓜ and select the **SOUND** menu.

2 Using ▼ to highlight **Dual**, then press ◄ or ► to choose from **Dual1** or **Dual2**.
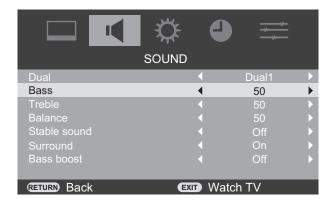
Bass, Treble and Balance

1 Press ⓜ and ◄ or ► to select **SOUND**.

SOUND		
Dual	◄ Dual1	►
Bass	◄ 50	►
Treble	◄ 50	►
Balance	◄ 50	►
Stable sound	◄ Off	►
Surround	◄ On	►
Bass boost	◄ Off	►

RETURN Back   EXIT Watch TV

2 Press ▼ to highlight **Bass**, **Treble** or **Balance** and ◄ or ► to change the setting.

Stable Sound®

Stable Sound reduces the volume level differences between channels. It automatically remains on the same volume level when you change channels.

1 In the **SOUND** menu press ▼ to select Stable Sound.

2 Using ◄ or ► to switch function **On** or **Off**.

Surround

This function enriches (expending and deepening) the sound quality.

1 In the **SOUND** menu press ▼ to select **Surround**.

2 Using ◄ or ► to switch function **On** or **Off**.

Bass Boost

Bass Boost enhances the depth of the sound on the TV speakers. The difference will only be noticeable on sound with a strong bass.

1 In the **SOUND** menu press ▼ to highlight **Bass Boost**.

2 Using ◄ or ► to select from **1 to 12** or **Off.**
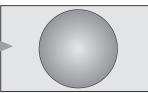
Widescreen viewing

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats.

Native
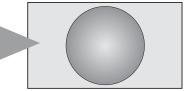
When using a PC connected via HDMI this setting will show the picture without over scan, i.e. WYSIWYG.
This option is only available when watching video signal source via HDMI.
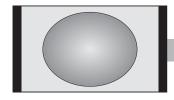
WIDE

Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) black bars may be visible on the top and bottom of the screen.
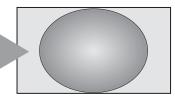
SUPER LIVE 2
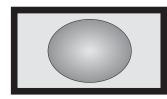
If a side panel format signal is being received this setting will enlarge the image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.

CINEMA 2
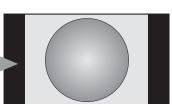
When watching all sides panel format films/video tapes, this setting will eliminate or reduce the black bars at all sides of the screen by zooming in and selecting the image without distortion.
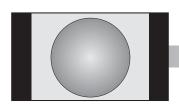
4:3

Use this setting to view a true 4:3 broadcast.
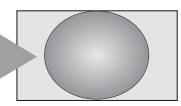
SUPER LIVE 1
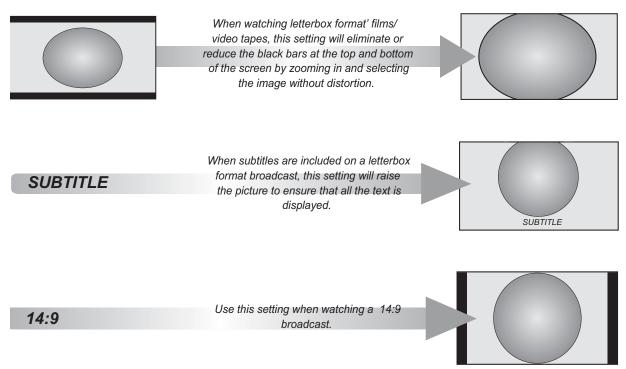
This setting will enlarge a 4:3 image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.

CINEMA 1

When watching letterbox format' films/ video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.

SUBTITLE

When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.

SUBTITLE

14:9

Use this setting when watching a 14:9 broadcast.

Press **QUICK** to display the **Quick access** menu. Use ▲ or ▼ to highlight the **Picture Size**, and press ◄ or ► to select the option.

Quick access		
Picture Mode	◄ Standard	►
Picture Size	◄ Wide	►
Sleep Timer	◄ Off	►

You can choose the picture size from Native, Wide, Super Live 2, Cinema 2, 4:3, Super Live 1, Cinema 1, Subtitle or 14:9.

Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

23

Available Picture Size

Screen Mode		RF ATV/ Video /S-video / Compornent / HDMI/ PAL/ SECAM/ 576i/ 576P	RF ATV/ Video /S-video / Compornent/ HDMI)/ NTSC3.58/ NTSC4.43/ PAL60/ 480i/ 480P	HDMI/ 1440x576p	HDMI/ 1440x480p	Component/ HDMI/ 720p	Component/ HDMI/ 1080i
Native (*only available for HDMI input)	H	-	-	-	-	-	-
	V	-	-	-	-	-	-
Wide	H	Yes	Yes	Yes	Yes	Yes	Yes
	V	-	-	-	-	-	-
Super Live2 (Panoramic scaled.	H	Yes	Yes	Yes	Yes	Yes	Yes
	V	Yes	Yes	Yes	Yes	Yes	Yes
Cinema2	H	Yes	Yes	Yes	Yes	Yes	Yes
	V	Yes	Yes	Yes	Yes	Yes	Yes
4:3	H	Yes	Yes	Yes	Yes	Yes	Yes
	V	-	-	-	-	-	-
Super Live1 (Panoramic scaled.)	H	Yes	Yes	Yes	Yes	Yes	Yes
	V	Yes	Yes	Yes	Yes	Yes	Yes
Cinema1	H	Yes	Yes	Yes	Yes	Yes	Yes
	V	Yes	Yes	Yes	Yes	Yes	Yes
Subtitle	H	Yes	Yes	Yes	Yes		
	V	Yes	Yes	Yes	Yes		
14:9	H	Yes	Yes	Yes	Yes		
	V	Yes	Yes	Yes	Yes		

Pic size		PC/HDMI PC format
Wide (*Not available when receive WXGA:1360x768@60Hz source.)	H	-
	V	-
Normal	H	-
	V	-
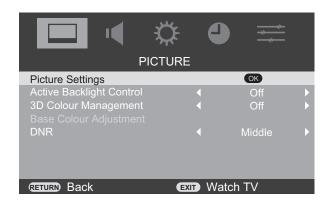
Note:
Above "- mark" means No function.

Picture controls

Picture Mode

You can adjust the best picture appearance from selecting the preset value in picture mode.

1 In the **PICTURE** menu press ▼ to select **Picture Settings**, then press ⊛**.**

		PICTURE		
Picture Settings			OK	
Active Backlight Control	◄	Off		►
3D Colour Management	◄	Off		►
Base Colour Adjustment				
DNR	◄	Middle		►
RETURN Back		EXIT Watch TV		

2 Using ▼ to highlight **Picture Mode**, then press ◄ or ► to select your preference from **Dynamic, Standard, Mild, Movie** or **Game**.

Picture Settings			
Picture Mode	◄	Movie	►
Backlight	◄	50	►
Contrast	◄	70	►
Brightness	◄	50	►
Colour	◄	50	►
Tint		0	
Sharpness	◄	50	►
Black/White Level	◄	Off	►
Cinema mode	◄	On	►
Colour Temperature	◄	Warm	►
Reset		OK	
RETURN Back		EXIT Watch TV	

NOTE: You can also access the **Picture Mode** *by pressing the* **QUICK** *key.*

Quick access			
Picture Mode	◄	Standard	►
Picture Size	◄	Wide	►
Sleep Timer	◄	Off	►

Backlight

Adjusting the **Backlight** can improve the clarity of the screen when viewing.

It only can be adjust when the Active backlight control is Off.

1 In the **PICTURE** menu press ▼ to select **Picture Settings**, then press ⊛.

		PICTURE		
Picture Settings			OK	
Active Backlight Control	◄	Off		►
3D Colour Management	◄	Off		►
Base Colour Adjustment				
DNR	◄	Middle		►
RETURN Back		EXIT Watch TV		

2 Using ▼ to highlight **Backlight**, then press ◄ or ► to adjust.

Picture Settings			
Picture Mode	◄	Movie	►
Backlight	◄	50	►
Contrast	◄	70	►
Brightness	◄	50	►
Colour	◄	50	►
Tint		0	
Sharpness	◄	50	►
Black/White Level	◄	Off	►
Cinema mode	◄	On	►
Colour Temperature	◄	Warm	►
Reset		OK	
RETURN Back		EXIT Watch TV	

Contrast, Brightness, and Colour

1 In the **PICTURE** menu press ▼ to select **Picture Settings**, then press ⊛.

2 Using ▼ to highlight Contrast, Brightness, or Colour, then press ◄ or ► to adjust.

Tint

It just can adjust at NTSC system, so when the input system is PAL or SECAM, it will be grayed.
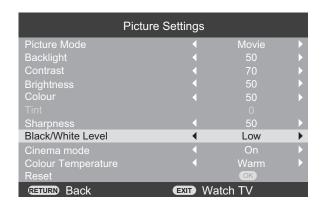
Sharpness

This function increases or decreases the sharpness of the picture. The picture shows the clear edge when you increase the values.

1 In the **PICTURE** menu press ▼ to select **Picture Settings**, then press ⊛.

2 Using ▼ to highlight **Sharpness**, then press ◄ or ► to adjust.

Black/White Level

This function increases the strength of dark areas of the picture which improves the definition.

1 In the **PICTURE** menu press ▼ to highlight the **Picture Settings** then press ⊛.

2 Using ▼ to highlight **Black/White Level**, then press ◄ or ► to select from **Low, Middle, High,** or **Off**.

Picture Settings		
Picture Mode	◄ Movie	►
Backlight	◄ 50	►
Contrast	◄ 70	►
Brightness	◄ 50	►
Colour	◄ 50	►
Tint	0	
Sharpness	◄ 50	►
Black/White Level	◄ Low	►
Cinema mode	◄ On	►
Colour Temperature	◄ Warm	►
Reset	OK	
RETURN Back	EXIT Watch TV	

Cinema mode

The frame rate of a movie film is generally 24 frames a second whereas the movie software such as DVD, etc. that you enjoy watching on television at home is 30 or 25 frames a second.

The difference in frame rate may cause flickers whilst viewing the films on television; set the **Cinema Mode** to convert the signal to reproduce a smooth motion and picture quality.

1 In the **PICTURE** menu press ▼ to select **Picture Settings**, then press ⊛.

2 Using ▼ to highlight **Cinema mode**, then press ◄ or ► to select **On** or **Off**.

   NOTE: When a DVD with subtitles is being played this mode may not work correctly.
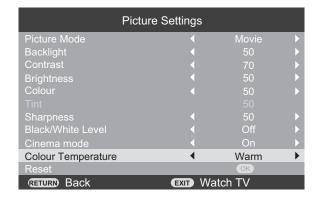
Colour temperature

Colour Temperature increases the 'warmth' or 'coolness' of a picture by increasing the red or blue tint.

1 In the **PICTURE** menu press ▼ to select **Picture Settings**, then press ⊛.

PICTURE				
Picture Settings			OK	
Active Backlight Control	◄		Off	►
3D Colour Management	◄		Off	►
Base Colour Adjustment				
DNR	◄		Middle	►
RETURN Back		EXIT Watch TV		

2 Using ▼ to highlight **Colour temperature**, then press ◄ or ► to select between **Warm, Medium** or **Cool** to suit your preference.

Picture Settings		
Picture Mode	◄ Movie	►
Backlight	◄ 50	►
Contrast	◄ 70	►
Brightness	◄ 50	►
Colour	◄ 50	►
Tint	50	
Sharpness	◄ 50	►
Black/White Level	◄ Off	►
Cinema mode	◄ On	►
Colour Temperature	◄ Warm	►
Reset	OK	
RETURN Back	EXIT Watch TV	

Reset

Selecting **Rese**t will reset all changes to the original default values in the **Picture Settings**.

1 In the **PICTURE** menu press ▼ to select **Picture Settings**, then press ⊛.

2 Using ▼ to highlight **Reset,** then press ⊛.

26

Active backlight control

When Active backlight control is activated it will automatically optimise the backlighting levels for dark scenes.

1 In the **PICTURE** menu press ▼ to select **Active backlight control**.

		PICTURE		
Picture Settings			OK	
Active Backlight Control	◄	On	►	
3D Colour Management	◄	Off	►	
Base Colour Adjustment				
DNR	◄	Off	►	

RETURN Back   EXIT Watch TV

2 Using ◄ or ► to select **On** or **Off**.

3D Colour management

When **3D Colour management** is selected it allows the 'Base colour adjustment' feature to become available.

1 In the **PICTURE** menu press ▼ to select **3D Colour management.**

		PICTURE		
Picture Settings			OK	
Active Backlight Control	◄	Off	►	
3D Colour Management	◄	On	►	
Base Colour Adjustment			OK	
DNR	◄	Off	►	

RETURN Back   EXIT Watch TV

2 Press ◄ or ► to select **On** or **Off**.

Base colour adjustment

The **Base colour adjustment** feature allows the adjustment of individual colours to suit personal preference. This can be useful when using an external source. It only can be adjusted when 3D Colour Management is set to On.

1 In the **PICTURE** menu press ▲ or ▼ to select **Base Colour Adjustment**, then press ⊛.
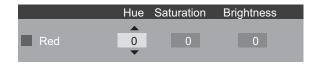
Base Colour Adjustment			
	Hue	Saturation	Brightness
Red	0	0	0
Green	0	0	0
Blue	0	0	0
Yellow	0	0	0
Magenta	0	0	0
Cyan	0	0	0
Reset		OK	

RETURN Back   EXIT Watch TV

2 Press ▲ or ▼ to select an option, then press ⊛ to enter the adjustment setting window.

3 Press ◄ or ► to select **Hue, Saturation** or **Brightness**, the press ▲ or ▼ to adjust the settings as required.

	Hue	Saturation	Brightness
Red	0	0	0

To return to the original factory settings select **Reset** and press ⊛.

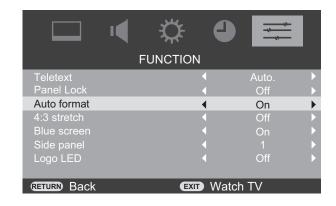## DNR – Digital Noise Reduction

DNR enables you to 'soften' the screen representation of a weak signal to reduce the noise effect.

1 Select **DNR** from the **PICTURE** menu.

2 Use ◄ or ► to select from **Low, Middle, High** or **Off.** The differences may not always be noticeable (for the best result use lower settings as picture quality can be lost if the setting is too high).

Automatic format (Widescreen)

When this television receives a true Widescreen picture and Auto format is On, it will automatically be displayed in Widescreen format, irrespective of the television's previous setting.

1 Press ⓂⒺⓃⓊ and ◄ or ► to select the **FUNCTION** menu.

FUNCTION

Teletext	◄ Auto. ►	
Panel Lock	◄ Off ►	
Auto format	◄ On ►	
4:3 stretch	◄ Off ►	
Blue screen	◄ On ►	
Side panel	◄ 1 ►	
Logo LED	◄ Off ►	

RETURN Back   **EXIT** Watch TV

2 Using ▼ to highlight **Auto format**, then press ◄ or ► to select **On** or **Off**.

4:3 stretch

It depends on Auto format On or Off.

When the Auto format is On, the **4:3 stretch** can be adjust, otherwise, it will be grayed.

If the 4:3 stretch is On, the picture size will auto stretch to 4:3 aspect ratio in Widescreen format.

Blue screen

When **Blue screen** is selected the screen will turn blue and the sound will be muted when no signal is received.

1 In the **FUNCTION** menu press ▼ to highlight **Blue screen**.

2 Press ◄ or ► to select **On** or **Off**.

Side panel adjustment

The **Side panel** feature lightens or darkens the band each side of the screen when in 4:3 or 14:9 format. This helps prevent image retention of the band and can also make viewing in bright or dark conditions more comfortable.

1 In the **FUNCTION** menu press ▼until **Side panel** is highlighted.

2 Press ◄ or ► to adjust from 1 to 3.

Logo LED

You can set the Logo LED on or off on the bottom of the front panel of your TV.

1 In the **FUNCTION** menu press ▼ to highlight **Logo LED**.

2 Use ◄ or ► to switch the function **On** or **Off**.

NOTE: The Logo LED is for size 32/37 only

26/32/37AV603P* series does not have logo LED

Picture position

You can adjust the picture position by changing the H. position or V. position.

1 In the **SET UP** menu press ▼ to select **Picture position**, then press ⓄⓀ.

2 Press ▲ or ▼ to select the **H. position** or **V. position** and use ◄ or ► to adjust from -3 ~ 3.

Reset TV

Selecting **Reset TV** will reset all TV settings to their original factory values.

1 Press **MENU** and use ◄ or ► to select **SET UP** menu.

2 Press ▼ to select **Reset TV**, then press ⓄⓀ.

Timer Control

Sleep timer

The television can be set to turn itself Off at a preset time.

1 Press ⓜ and ◄ or ► to select the **TIMER** menu. Press ▼ to highlight **Sleep Timer.**

🖵	🔇	☼	🕐	☰	

TIMER

Sleep Timer	◄	Off	►
On timer	◄	00 : 00	►
On timer position	◄	0	►

RETURN Back   **EXIT** Watch TV

2 Press ◄ or ► to set the sleep timer to switch the television off in 15, 30, 45, 60, 90 or 120 minutes.

3 Press ⓔ to finish.

4 To cancel the Sleep timer, select Off in above setting.

On Timer

The **On Timer** function switches the TV on automatically at a preset time.

1 In the **TIMER** menu press ▼ to select **On Timer**.

2 Using ◄ or ► to set the on timer to switch the television on.

On Timer Position

You can set the channel position when the TV is turned on by the On Timer function.

1 In the **TIMER** menu press ▼ to select **On Timer Position**.

2 Using ◄ or ► to select the channel.

Input selection and AV connections

Defining the INPUT and OUTPUT sockets so that the television recognises connected equipment.

See page 6 for a clear view of the back connection recommendations.

Most media recorders and decoders send a signal through the SCART lead to switch the television to the correct Input socket.

Alternatively press the external source selection button ⊕ until the picture from connected equipment is shown.
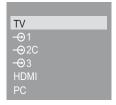
An S in the display e.g. ⊕ **1S (EXT 1S)**, indicates the input is set for an S-Video signal.

Input selection

Use the Input Selection if the television does not switch over automatically.

1 Press ⊕ a list will appear on screen showing all external equipment. Use ▲ or ▼ to highlight and ⓞⓚ to select.

Model 19/22

TV
⊕1
⊕2C
⊕3
HDMI
PC

Model 26/32/37

TV
⊕1
⊕2
⊕3C
⊕4
HDMI1
HDMI2
HDMI3
PC

Note: 26/32/37AV603P series does not have HDMI 3 Input.*

HDMI™ displays equipment connected to Input HDMI on the back or side of the television. It is designed for best performance with 1080i high definition signals.
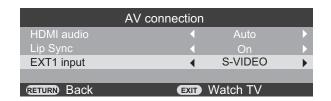
English

INPUT signal selection

This specifies the type of signal going into SCART (EXT1) on the back of the television. Please refer to the manufacturers instructions for the connected equipment.

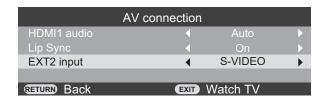**1**   In the **SET UP** menu press ▼ to select A**V connection**, then press ⊛.

		⚙	🕐	
		SET UP		
Language	◄	English	►	
Country	◄	UK	►	
Auto tuning		OK		
Manual tuning		OK		
AV connection		OK		
Quick Setup		OK		
Picture position		OK		
Reset TV		OK		
RETURN Back		EXIT Watch TV		

Model 19/22

2   Press ▲ or ▼ to select **EXT1** input and ◄ or ► to select either **AV** or **S-VIDEO** as the required input for **EXT1**.

AV connection			
HDMI audio	◄	Auto	►
Lip Sync	◄	On	►
EXT1 input	◄	S-VIDEO	►
RETURN Back		EXIT Watch TV	

Model 26/32/37

2   Press ▲ or ▼ to select **EXT2** input and ◄ or ► to select either **AV** or **S-VIDEO** as the required input for **EXT2**.

AV connection			
HDMI1 audio	◄	Auto	►
Lip Sync	◄	On	►
EXT2 input	◄	S-VIDEO	►
RETURN Back		EXIT Watch TV	

Check the signal output of the DVD or compatible device first, generally the output type have AV, S-Video, RGB for SCART.
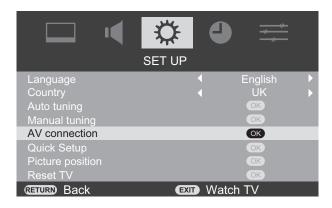
When the input signal is S-Video or AV, please select the correct setting for "Input" If the colour is missing, please try alternative setting.

When the input signal is RGB, the colour will be automatically detected and there is no need to operate this setting.
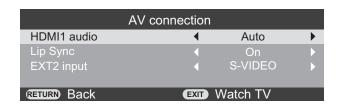
HDMI1 audio

If the connected HDMI source does not support digital audio, plug the audio cable into the phone jack on the back of the television (as shown in the 'Connecting an HDMI™ or DVI device to the HDMI input' section), then use the HDMI1 audio settings.

1   In the **SET UP** menu press ▼ until **AV connection** is highlighted, then press ⊛.

		⚙	🕐	
		SET UP		
Language	◄	English	►	
Country	◄	UK	►	
Auto tuning		OK		
Manual tuning		OK		
AV connection		OK		
Quick Setup		OK		
Picture position		OK		
Reset TV		OK		
RETURN Back		EXIT Watch TV		

2   In the **AV connection** menu highlight **HDMI audio** and using ◄ or ► to select **Auto., Digital** or **Analogue**.

AV connection			
HDMI1 audio	◄	Auto	►
Lip Sync	◄	On	►
EXT2 input	◄	S-VIDEO	►
RETURN Back		EXIT Watch TV	

If the sound is missing select an alternative setting.

NOTE: HDMI1 supports digital and analogue sound, HDMI2 and HDMI3 is digital sound only.

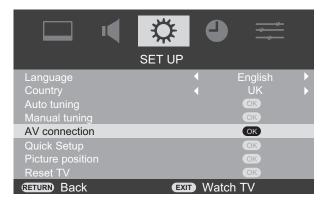Certain formats of DVD disk may not output from this TV (32/44.1/48kHz and 16/20/24 bits are acceptable).

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.
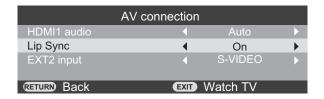
Lip Sync

Lip Sync *can synchronize the sound and picture. This feature is only available for HDMI equipment compatible with Lip Sync.*

NOTE: Disconnect the HDMI cable before changing the Lip Sync setting. If the HDMI cable is connected, a message will appear.

1 In the **SET UP** menu press ▼ until **AV connection** is highlighted, then press ⊙.

🖵	🔇	☼	🕐	☰

SET UP

Language	◄	English	►
Country	◄	UK	►
Auto tuning		OK	
Manual tuning		OK	
AV connection		OK	
Quick Setup		OK	
Picture position		OK	
Reset TV		OK	

RETURN Back   EXIT Watch TV

2 In the **AV connection** menu highlight **Lip Sync** and using ◄ or ► to select **On** or **Off**.

AV connection

HDMI1 audio	◄	Auto	►
Lip Sync	◄	On	►
EXT2 input	◄	S-VIDEO	►

RETURN Back   EXIT Watch TV

Panel Lock

You can lock the control buttons on your TV by using this **Panel Lock** function. When this function enables, the TV can be controlled only by the remote control.

1 In the **FUNCTION** menu press ▼ to select **Panel Lock**.

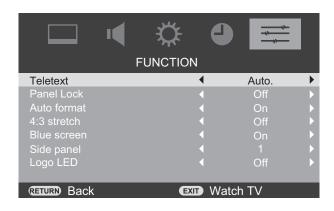**2** Using ◄ or ► to switch the function **On** or **Off**.

31

Text services

This television has a multi-page text memory, which takes a few moments to load. It offers two **Modes** of viewing text – **Auto** will display **Fastext**, if available. **LIST** will store your four favourite pages.

Selecting modes

The text character set will be automatically chosen by the language setting in the **SET UP** menu.

1   Select **Teletext** from the **FUNCTION** menu.

2   Using ◄ or ► to choose from **Auto**. or **LIST** then press ⏻.

FUNCTION		
Teletext	◄	Auto. ►
Panel Lock	◄	Off ►
Auto format	◄	On ►
4:3 stretch	◄	Off ►
Blue screen	◄	On ►
Side panel	◄	1 ►
Logo LED	◄	Off ►
RETURN Back	EXIT	Watch TV

Text information

Navigating pages using Auto

If **Fastext** is available four coloured titles will appear at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control.

For further information on your particular text system (s), see the broadcast text index page or, consult your local Toshiba dealer.

Navigating pages using LIST

If Fastext is available four coloured titles will numbers – 100, 200, 300 and 400, which have been programmed into the television's memory. To view these pages press the relevant coloured buttons.

To change these stored pages press the relevant coloured button and enter the 3 digit number. This number will change in the top left of the screen and in the coloured highlight.

Press ⊙ to store. The bars at the bottom of the screen will flash white. **Whenever ⊙ is pressed all four page numbers showing at the bottom will be stored and the previous ones will be lost.**

If ⊙ is not pressed the selection will be forgotten when text is cancelled.

Other pages may be viewed by entering the 3 digit page number – but **DO NOT** press ⊙ or these pages will be stored.

Control buttons

Below is a guide to the functions of the remote control text buttons.

▣ To display the index/initial page:

Press ▣ to access the index/initial page. The one displayed is dependant on the broadcaster.

▣ To reveal concealed text:

To discover the solutions on quiz and joke pages press the ▣ button.

▣ To hold a wanted page:

At times it is convenient to hold a page of text. Press ▣ and ▣ will appear in the top left of the screen. The page will be held on screen until the button is pressed again.

▣ To enlarge the text display size:

Press ▣ once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.

▣/▣ To select a page whilst viewing a normal picture:

Enter the page number then press ▣/▣, a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen.

To display news flashes:

Select the news flash page for the chosen text service (see the index page of text service). Press ▣/▣. The news flashes will be displayed as and when they are broadcast. Press ▣/▣ again to cancel the display.

How to change the page:

Press ▲ ▼ to change the page.

Press ◄ ► to change the sub page when sub page is available.

The news flash page must be cancelled before changing programmes.

Questions and Answers

Below are the answers to some of the most common queries.

Q *Why is there no sound or picture?*

A Check the television is not in standby mode. Check the mains plug and all mains connections.

Q *There is a picture, but why is there little or no colour?*

A When using an **external** source, for instance, a poor quality video tape, if there is little or no colour, improvements may sometimes be achieved.
The colour is factory set to **Auto.** to automatically display the best colour system.

To check that you have the best colour:

1 With the external source playing, select Manual setting from the **SET UP** menu.

2 Using ▲ or ▼ to choose from **Auto, NTSC 3.58, NTSC 4.43, SECAM or PAL**.

Manual setting
Colour System: Auto
▲
EXT1 A
▼
OK Store   EXIT Watch TV

Q *Why doesn't the video/DVD being played show on screen?*

A Make sure the VCR or DVD player is connected to the television as shown on page 6, then select the correct input by pressing ⊕.

Q *Why is there a good video picture but no sound?*

A Check all lead connections.

Q *Why is there a picture but no sound?*

A Check the volume has not been turned down or that sound mute has not been selected.

Q *Why is the VCR/DVD picture in black and white?*

A Check the correct input has been chosen, **S-VIDEO** or **AV**. See **AV** connections page 30.

Q *What else can cause a poor picture?*

A Interference or a weak signal. Try a different television station. **Manual fine tuning** may help.

1 Select the **Manual tuning** in the **SET UP** menu. Highlight the station and press ⊛, then press◀ or ▶ to select **Manual fine tuning**.

Manual tuning
Manual fine tuning
▲
0 D / K A ➜ C 8 🔍 0
OK Store   EXIT Watch TV
RETURN Back

2 Using ▲ or ▼ to adjust to get the best picture and sound. Press ⊛ and then ⊡.

Q *Why doesn't the remote control work?*

A Check the batteries aren't dead or inserted incorrectly.

Q *Why are there problems with text?*

A Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the text is unreadable or garbled, check the aerial. Go to the main index page of the text service and look for the User Guide. This will explain the basic operation of text in some detail.

Q *Why are the four coloured text numbers visible but no text?*

A Text has been selected whilst viewing an external source i.e. DVD or VCR. No text will appear on screen or a box may appear stating no information is available. Select a broadcasting channel and press ▤ to access.
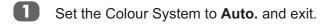
Q *Why are the colours wrong when an NTSC source is played?*

A Connect the source via a SCART lead and play.
Select **Manual setting** from the **SET UP** menu.

Manual setting
Colour System: Auto

EXT1	▲ A ▼	

| OK Store | EXIT Watch TV |

1 Set the Colour System to **Auto.** and exit.

Q *Why don't the devices connected via HDMI operate properly?*

A Make sure to use cables with the HDMI logo
HDMI (see page 8).
Some early HDMI equipment may not work properly with the latest HDMI TV products, due to new standard adoption.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.

Q *Why did TV turns off by itself?*

A After roughly 15 minutes without any input video signal at TV mode, the TV will turn off to save power.

Specifications and accessories

- This television complies with the specification listed below.
- Design and specifications are subject to change without notice.

Broadcast systems/channels

PAL-I	UHF UK21-UK69
PAL-B/G	UHF E21-E69
	VHF E2-E12, S1-S41
SECAM-L	UHF F21-F69
	VHF F1-F10, B-Q
SECAM-D/K	UHF R21-R69
	VHF R1-R12

Video Input PAL, SECAM, NTSC 3.58/4.43

External connections

MODEL 19/22

EXT1	Input/Outpu	21-pin SCART	RGB, A/V, S-video
EXT2	Input	Jacks	Y, P_B/C_B, P_R/C_R
		Phono jacks	Audio L + R
EXT3	Input	Jack	Video
		Phono jacks	Audio L + R
HDMI	Input	HDMI™	
PC/HDMI Audio		Phono jacks	Audio L + R
PC	Input	D-sub	RGB

MODEL 26/32/37

EXT1	Input	21-pin SCART 1	A/V, RGB,
EXT2	Input/Output	21-pin SCART 2	A/V, S-video
EXT3	Input Phono	jacks	Y, P_B/C_B, P_R/C_R
		Phono jacks	Audio L + R
EXT4	Input Phono	jack	Video
		Phono jacks	Audio L + R
PC	Input	D-sub	RGB
HDMI1/2/3	Input	HDMI™	
PC/HDMI1 Audio		Phono jacks	Audio L + R

Stereo		Nicam	
		2 carrier system	
Visible Screen Size (approx.)	Model	19	409.80x230.40mm
		22	477.41x268.41mm
		26	575.77x323.71mm
		32	697.69x392.26mm
		37	877.00x518.00mm
Display		16:9	
Sound output (at 10% distortion)	Model	19	3W + 3W
		22	3W + 3W
		26	5W + 5W
		32	10W + 10W
		37	10W + 10W
Power consumption as specified in EN60107-1 : 1997	Model	19	50W
		22	65W
		26	120W
		32	160W
		37	200W
Standby (approx.)	Model	19	0.5W
		22	0.5W
		26	0.5W
		32	0.5W
		37	0.5W
Dimensions (approx.)	Model	19	35.9cm(H)47.2cm(W)19.2cm(D)
		22	39.9cm(H)54.2cm(W)21.9cm(D)
		26	49.4cm(H)66.7cm(W)24.0cm(D)
		32	57.1cm(H)78.6cm(W)27.1cm(D)
		37	63.7cm(H)90.2cm(W)29.3cm(D)
		(Height dimension includes foot stand)	
Weight (approx.)	Model	19	5.3 kg
		22	6.5 kg
		26	10.5 kg
		32	13.8 kg
		37	17.1 kg
Headphone socket		R3.5mm stereo	
Operating condition		Temperature 5℃ - 35℃ (41℉ - 94℉)	
		Humidity 20 - 80% (non-condensing)	
Accessories		Remote control	
		2 batteries (AAA, IEC R03 1.5V)	
		Power cord	
		User Manual	
		Cleaning Cloth	

Note: *26/32/37AV603P* series does not have HDMI 3 Input.*

Notes

For your own records

Cleaning the screen and cabinet…

Turn off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Disposal…

The following information is only for EU-member states:.

Disposal of products The crossed out wheeled dust bin symbol indicates that products must be collected and disposed of separately from household waste. Integrated batteries and accumulators can be disposed of with the product. They will be separated at the recycling centres.

The black bar indicates that the product was placed on the market after August 13, 2005.
By participating in separate collection of products and batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.

Disposal of batteries and/or accumulators.

The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.

If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the Battery Directive (2006/66/EC), then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol.By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.